

Permit #: 20044  
County: BATES  
CONFIDENTIAL UNTIL: \_\_\_\_\_

Date Issued: 10-11-90  
Date Cancelled: \_\_\_\_\_  
Date Plugged: \_\_\_\_\_

COMMENTS:

OCC FORMS	Date Received
1	
2	
3	10-11-90
3i	
4	10-11-90
4i	
5	7-18-95
6	7-18-95
7	
8	
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs			
Samples	chip		
	core		
Analyses	water		
	core		
Additional Submitted Data:			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI OIL AND GAS COUNCIL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

☒ APPLICATION TO DRILL    ☐ DEEPEN    ☐ PLUG BACK    ☒ FOR AN OIL WELL    ☒ OR GAS WELL

NAME OF COMPANY OR OPERATOR

Pense Brothers Drilling Co., Inc., a Missouri corporation

DATE

10/09/90

ADDRESS

800 Newberry Street

CITY

Fredericktown

STATE

MO

ZIP CODE

63645

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE

Shannons' Circle S. Ranch

WELL NUMBER

Development Well,

2 Permit # 20044

ELEVATION (GROUND)

1010'

WELL LOCATION

(GIVE FOOTAGE FROM SECTION LINE)

2304.4

FT. FROM (S) SECTION LINE

322.2

FEET FROM (E) SECTION LINE

WELL LOCATION

SECTION

TOWNSHIP

RANGE

COUNTY

C NE/4 NE/4 SE/4

25

42N

33W

Bates

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 322.2 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED — FOR WELL ON THE SAME LEASE 629.23 FEET

PROPOSED DEPTH

295'

DRILLING CONTRACTOR, NAME AND ADDRESS

Pense Brothers Drilling Co., Inc.

ROTARY OR CABLE TOOLS

Rotary (Air)

APPROX. DATE WORK WILL START

4 1/2 csg. cem. to 255' Start open hole 10/22/90

NUMBER OF ACRES IN LEASE

160

NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 2

NUMBER OF ABANDONED WELLS ON LEASE 0

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?

NO. OF WELLS: PRODUCING 0  
INJECTION 0  
INACTIVE 0  
ABANDONED 0

NAME

N/A

ADDRESS

STATUS OF BOND

☐ SINGLE WELL

AMOUNT \$

☒ BLANKET BOND

AMOUNT \$ 20,000.00

☒ ON FILE

☐ ATTACHED

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING ZONE AND EXPECTED NEW PRODUCING ZONE; USE BACK OF FORM IF NEEDED)

PROPOSED CASING PROGRAM

APPROVED CASING — TO BE FILLED IN BY STATE GEOLOGIST

AMOUNT

255'

SIZE

4 1/2"

WT/FT

9.5 lb.

CEM

to surf.

AMOUNT

255'

SIZE

4 1/2"

WT/FT

9.5

CEM

To surface

I, the undersigned, state that I am the Assistant Vice President of the Pense Bros. Drg. Co., Inc.

(company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE

B. E. Blancett

DATE

10/09/90

PERMIT NUMBER

#20044

☒ DRILLER'S LOG REQUIRED

☒ CORE ANALYSIS REQUIRED IF RUN

☐ SAMPLES REQUIRED

☐ SAMPLES NOT REQUIRED

☐ WATER SAMPLES REQUIRED AT

☒ E-LOGS REQUIRED IF RUN

☒ DRILL STEM TEST INFO. REQUIRED IF RUN

APPROVAL DATE

10/11/90

APPROVED BY

Jane Holley Williams

RECEIVED  
OCT 11 1990

NOTE: THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE. MO Oil & Gas Council

I, \_\_\_\_\_ of the \_\_\_\_\_ Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE

DATE



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI OIL AND GAS COUNCIL  
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

Form OGC-5

☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ INJECTION ☐ SAME RESERVOIR ☐ DIFFERENT RESERVOIR ☐ OIL ☒ GAS ☒ DRY

OWNER <b>PENSE BROTHERS DRILLING CO., INC.</b>		ADDRESS <b>Box 551, FREDERICKTOWN, MO 63645</b>	
LEASE NAME <b>SHANNONS' CIRCLE "S" RANCH, INC.</b>		WELL NUMBER <b>NO. 2</b>	
LOCATION <b>C NE/4 NE/4 SE/4</b>		SEC. TWP. AND RANGE OR BLOCK AND SURVEY <b>SEC 25, T 42N, R 33W</b>	
COUNTY <b>BATES</b>	PERMIT NUMBER (OGC-3 OR OGC-4) <b>20044</b>		
DATE SPUDDED <b>9/20/90</b>	DATE TOTAL DEPTH REACHED <b>10/26/90</b>	DATE COMPLETED READY TO PRODUCE OR INJECT	ELEVATION (DF, RKR, RT, OR Gr.) FEET <b>1010</b>
TOTAL DEPTH <b>336'</b>	PLUG BACK TOTAL DEPTH <b>N/A</b>	ELEVATION OF CASING HD. FLANGE <b>1012.5</b> FEET	
PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION		ROTARY TOOLS USED (INTERVAL) <b>0' TO 336'</b>	CABLE TOOLS USED (INTERVAL) <b>NIL</b>
WAS THIS WELL DIRECTIONALLY DRILLED? <b>NO</b>		WAS DIRECTIONAL SURVEY MADE? <b>NO</b>	DATE FILED <b>N/A</b>
TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST) <b>NO LOGS - LITHOLOGY ONLY</b>		WAS COPY OF DIRECTIONAL SURVEY FILED? <b>NO</b>	DATE FILED <b>N/A</b>

CASING RECORD

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)						
PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
PRODUCTION	6 1/4"	4 1/2"	9 1/2 LBS	255'	50	NIL
OPEN HOLE	3 3/4"	NIL	—	OPEN HOLE, 255 TO 394'	NIL	NIL

TUBING RECORD

LINER RECORD

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
NIL IN.	FEET	FEET	INCH	FEET	FEET		FEET

PERFORATION RECORD			ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD	
NUMBER PER FOOT	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
JUL 20 1995		OPEN HOLE 255' TO 394'	150 250 921 HZ	255-394
Oil & Gas Council				

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION <b>NIL</b>		PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING — IF PUMPING, SHOW SIZE AND TYPE OF PUMP) <b>ONLY PRODUCED WATER FROM OPEN HOLE - NO MECHANICAL LOGS</b>					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	OIL PRODUCED DURING TEST bbis.	GAS PRODUCED DURING TEST MCF	WATER PRODUCED DURING TEST bbis.	OIL GRAVITY API (CORR.)	
TUBING PRESSURE	CASING PRESSURE	CAL'ED RATE OF PRODUCTION PER 24 HOURS	OIL bbis.	GAS MCF	WATER bbis.	GAS OIL RATIO	

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD)  
**Gas Show Too Small To MEASURE**

METHOD OF DISPOSAL OF MUD PIT CONTENTS  
**DRILLED WITH ROTARY (AIR & ROTARY) CUTTINGS ONLY - OVERFILLED WITH TOPSOIL**

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE **ASS'T. V.P.** OF THE **PENSE BRAS. DRG. CO., INC.** COMPANY, AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT, AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE <b>7/14/95</b>	SIGNATURE <b>B E Blauett</b> <b>B. E. BLANETT, ASS'T. V. P.</b>
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SHANNON NO. 2 WELL, PERMIT NO. 20044

PREPARED BY	BEB
DATE	10/26/90

ELEVATION: 1010' (TOP) PENSE BROS. DRG. CO., INC.

- 0-2 TOPSOIL, CLAY LOAM, BROWN
- 2-7 LIMESTONE, DENSE, WHITE TO BUFF
- 7-10 CLAY, LIGHT BROWN TO TAN, SHALE AT BASE
- 10-125 SHALE, SANDY TO SILTY, LIGHT TO DARK GREY
- 125-135 CLAY, BLOCKY, DARK BROWN WITH SHALE STRIATION,  
GREENISH GREY & SOAPSTONE.
- 135-140 SHALE, GREY TO DARK GREY, SLIGHT COAL SEAM
- 140-145 CONGLOMERATE; CLAY, BLOCKY, REDDISH BROWN,  
SOAPSTONE & SHALE, LIGHT GREY TO GREENISH GREY
- 145-150 CLAY, BLOCKY, REDDISH BROWN
- 150-170 SHALE, SOFT, GREY TO LIGHT GREY
- 170-190 SILTSTONE, CALCITIC, GREY TO LIGHT GREY, WITH  
SLIGHT LIMESTONE STRIATION, VERY SLIGHT GASEMANATION
- 190-200 SILTSTONE, SHALY, GREY TO LIGHT GREY
- 200-225 SANDSTONE, VERY FINE GRAINED, CALCITIC, GREY TO LIGHT GREY
- 225-230 SANDSTONE WITH SHALY SILTSTONE STRIATIONS, CALCITIC,  
GREY TO LIGHT GREY
- 230-235 CONGLOMERATE, SANDSTONE, SILTSTONE (SHALY), SHALE, WITH  
FEW PARTICLES LIMESTONE
- 235-250 LIMESTONE, DENSE TO SOME CRYSTALLINE, BUFF TO TAN,  
SLIGHT SANDSTONE STRIATION AT BASE.
- 250-266 SHALE, DENSE, GREY TO DARK GREY, SLIGHT COAL SEAM NEAR  
BASE.
- 266-277 SANDSTONE, FINE TO MEDIUM GRAINED, WHITE TO GREY.
- 277-288 LIMESTONE, FEW DOLITIC PARTICLES.
- 288-315 SHALE CALCAREOUS, GREY TO BLUE GREY, SOME COAL NEAR BASE.
- 315-394 VARIEGATED SHALES & SILTSTONES, SLIGHT COAL SECTIONS @ 350' + 365'  
TO 394'



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI OIL AND GAS COUNCIL  
**NOTICE OF INTENTION TO ABANDON WELL**

FORM OGC-6

NAME OF LEASE <b>SHANNON'S CIRCLE "S" RANCH, INC.</b>		DATE <b>7/14/95</b>	
WELL NUMBER <b>#2</b>	LOCATION <b>2304.4</b> FEET FROM (S) SECTION LINE AND <b>322.2</b> FEET FROM (E) SECTION LINE OF		
SECTION <b>25</b>	TOWNSHIP <b>42N</b>	RANGE <b>33W</b>	COUNTY <b>BATES</b>
THE ELEVATION OF THE GROUND AT WELL SITE IS _____ FEET ABOVE SEA LEVEL.		PERMIT NUMBER (OGC-3 OR OGC-3I NUMBER) <b>20044</b>	
NAME OF CONTRACTOR OR COMPANY THAT WILL DO WORK IS: <b>COMPANY TOOLS, PENSE BROTHERS DRILLING CO., INC.</b>			
ADDRESS <b>800 NEWBERRY ST. P.O. Box 551</b>		CITY <b>FREDERICKTOWN</b>	STATE <b>MO</b>
ZIP CODE <b>63645</b>			
DETAILS OF WORK (INDICATE SIZE, KIND, AND DEPTH OF PLUGS, WHERE CASING WILL BE PULLED, OTHER PERTINENT DETAILS)  <b>PLUG OPEN HOLE (255-394) TO 25' ABOVE SAME WITH CEMENT.</b> <b>CUT SURFACE &amp; PRODUCTION CASINGS OFF 4' BELOW GROUND LEVEL.</b> <b>PLUG TOP 20' OF REMAINING CASINGS.</b> <b>PIT ALREADY LEVELLED TO SURFACE &amp; GRASSED OVER.</b> <b>LEVEL AREA AROUND CASING AREA.</b>			
<b>RECEIVED</b> <b>JUL 20 1995</b> <b>Oil &amp; Gas</b>			
CERTIFICATE: I, the undersigned, state that I am the <b>Asst. V.P.</b> of the <b>Pense Bros Drilling Co, Inc</b> (company), and that I am authorized to make this report; and that this report was prepared under my supervision and direction and that the facts stated herein are true, correct, and complete to the best of my knowledge.			
SIGNATURE <b>PENSE BROTHERS DRILLING CO., INC -</b> <b>By: B.E. Blauvelt</b>		DATE <b>7/14/95</b>	



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI OIL AND GAS COUNCIL  
PLUGGING RECORD

RECEIVED SEP 19 1995  
SEP 19 1995

OWNER <b>PENSE BROTHERS DRILLING CO., INC.</b>		ADDRESS <b>Box 551, FREDERICKTOWN, MD 63645</b>	
NAME OF LEASE <b>SHANNON'S CIRCLE "S" RANCH, INC.</b>		WELL NUMBER <b>2</b>	PERMIT NUMBER (OGC or DOG-31 NUMBER) <b>20044</b>
LOCATION OF WELL <b>C NE 1/4 NE 1/4 SE 1/4</b>		SEC-TWP-RNG OR BLOCK & SURVEY <b>25-42N-33W</b>	COUNTY <b>BATES</b>
APPLICATION TO DRILL THIS WELL WAS FILED IN NAME OF: <b>PENSE BROS. DRILG. CO., INC.</b>		HAS THIS WELL EVER PRODUCED OIL OR GAS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CHARACTER OF WELL AT COMPLETION (INITIAL PRODUCTION) OIL (BBLS/DAY) <b>NIL</b> GAS (MCF/DAY) <b>NIL</b> DRY? <b>DRY HOLE</b>
DATE ABANDONED <b>7/14/95</b>	TOTAL DEPTH	AMOUNT WELL PRODUCING PRIOR TO ABANDONMENT OIL (BBLS/DAY) <b>NIL</b> GAS (MCF/DAY) <b>NIL</b>	WATER (BBLS/DAY) <b>APPROX. 5 BBLS. WATER/DAY</b>
Name of each formation containing oil or gas. Indicate which formation open to well bore at time of abandonment.		Fluid content of each formation	Depth interval of each formation
<b>NIL</b>		<b>WATER - WALTER JOHNSON SAND</b>	<b>252 - 262</b>
<b>9/6/95</b>		<b>CEMENT PLUG FROM 336' UP TO 225' HEAVY GEL MUD FROM 225' TO APPROX 15' FROM SURFACE CEMENT Plug FROM 15' TO APPROX. 3' FROM SURF. CASING CUT OFF APPROX 3' FROM SURF.</b>	
SIZE PIPE <b>4 1/2</b>	PUT IN WELL (FT) <b>255'</b>	PULLED OUT (FT) <b>NIL</b>	LEFT IN WELL (FT) <b>252'</b>
GIVE DEPTH AND METHOD OF PARTING CASING (SHOT, RIPPED, ETC.) <b>CUT OFF 3' FROM SURF.</b>		PACKERS AND SHOES <b>NIL - OPEN HOLE, 282' THRU 336'</b>	
<b>PLUGGED WITH COMPANY TOOLS, LARRY PENSE, OPERATOR.</b>			
WAS WELL FILLED WITH MUD-LADEN FLUID?		INDICATE DEEPEST FORMATION CONTAINING FRESH WATER <b>WALTER JOHNSON SAND 252' to 262'</b>	
NAME AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE			
NAME		ADDRESS	
<b>(OPERATOR) PENSE BROS. DRILG. CO., INC.</b>		<b>Box 551, FREDERICKTOWN, MD 63645</b>	
<b>(OWNER) C. J. SHANNON</b>		<b>Rt. 1, Box 40, AMSTERDAM, MD 64723</b>	
		<b>3/4 MILE SOUTHWEST</b>	
METHOD OF DISPOSAL OF MUD PIT CONTENTS		<b>DRILLED WITH ROTARY AIR RIG, CUTTINGS ONLY IN P.Y. OVERFILLED WITH TOPSOIL TO SURFACE LEVEL, NOW GRASSED OVER</b>	
NOTE FILE THIS FORM IN DUPLICATE WITH (USE REVERSE SIDE FOR ADDITIONAL DETAIL)			
CERTIFICATE I, the undersigned, state that I am the <b>ASST. V.P.</b> of the <b>Pense Bros. Drilg Co., Inc.</b> (Company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.			
SIGNATURE <b>B. E. BLANCHETT, ASST. V.P.</b>		DATE <b>9/16/95</b>	

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

1.0 API well number: (If not assigned, leave blank. 14 digits.)	- - -				
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA		2 Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	_____ feet				
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<u>PENSE BROTHERS DRILLING CO., INC.</u> Name <u>800 NEWBERRY ST., BOX 551</u> Street <u>FREDERICKTOWN</u> <u>MO</u> <u>63645</u> City State Zip Code				
5.0 Location of this well: (Complete (a) or (b).)	(a) For onshore wells (35 letters maximum for field name.) Field Name <u>BATES</u> <u>MO</u> County State				
(b) For OCS wells:	Area Name _____ Block Number _____ Date of Lease: _____ Mo. Day Yr. OCS Lease Number _____				
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>SHANNON RANCH NO. 2</u>				
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	_____				
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Name _____ Buyer Code _____ <div style="text-align: right; opacity: 0.5; transform: rotate(-15deg); font-weight: bold;">DEC 30 1992 MO Oil &amp; Gas Council</div>				
(b) Date of the contract:	_____ Mo. Day Yr.				
(c) Estimated total annual production from the well:	_____ Million Cubic Feet				
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	_____	_____	_____	_____
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	_____	_____	_____	_____
9.0 Person responsible for this application:	<u>B.E. BLANCETT</u> <u>ASS'T. V. P.</u> Name Title <u>B.E. Blancett</u> Signature <u>12/30/92</u> <u>(314) 783-3347</u> Date Application is Completed Phone Number				
Agency Use Only					
Date Received by Juris. Agency					
Date Received by FERC					



WELL LOCATION MAP - BATES COUNTY TAX  
 MAP 65-05-7  
 SHANNON'S CIRCLE "S" RANCH, INC. WELL  
 NUMBER 2 IN THE NORTHEAST QUARTER OF  
 THE SOUTHEAST QUARTER OF SECTION 25,  
 TOWNSHIP 42 NORTH, RANGE 33 WEST OF  
 THE 5TH PRINCIPAL MERIDIAN IN BATES  
 COUNTY, MISSOURI.



1"=400'

T42N

R33W

4  
80.0 Ac

WELL  
#2

322.2'

2304.4'

WEST BOONE TSP 33W  
 EAST BOONE TSP 32W

RECEIVED

OCT 11 1990

MO Oil & Gas Council

N89°38'31"W

3200 Ac

WILLIAM C. LETHCO LS-1539  
 BATES COUNTY SURVEYOR

#2 0044

SHEET 1 OF 2

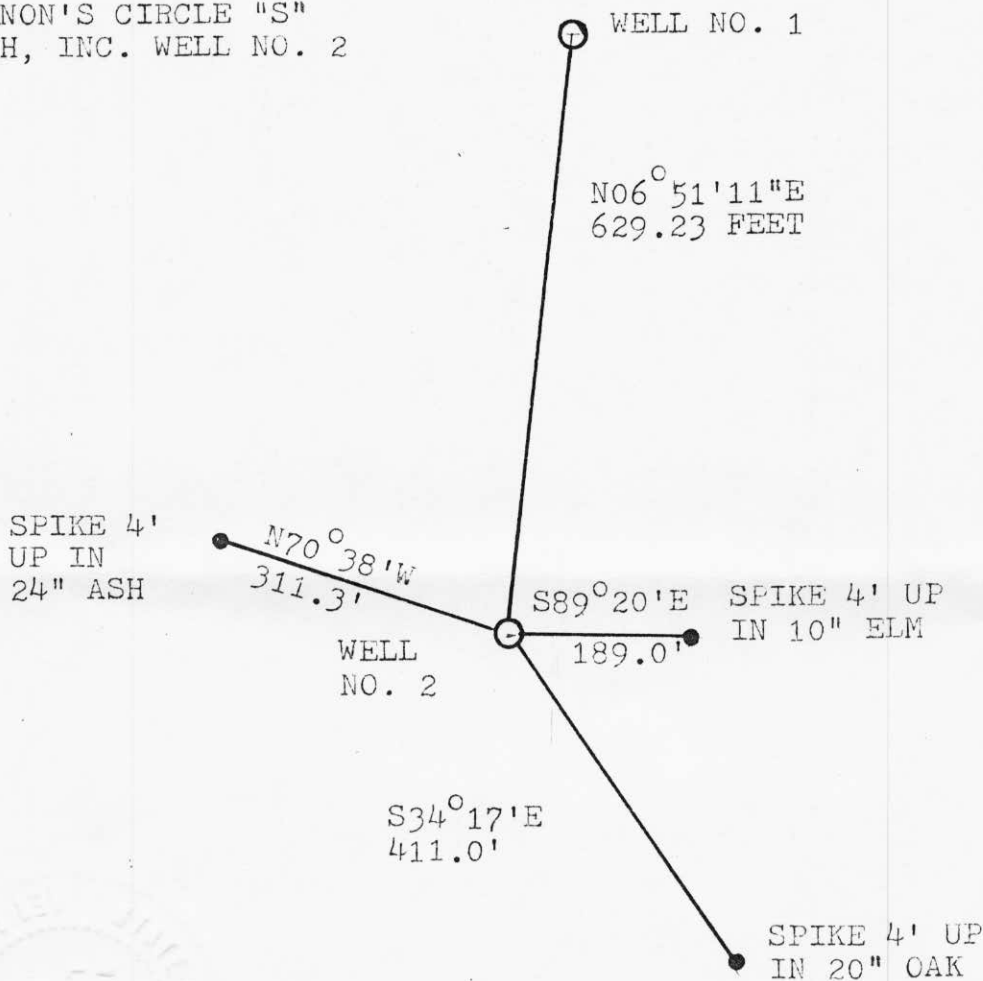
Co. Road



W. C. LETHCHO  
COUNTY ENGINEER & SURVEYOR  
Bates County Court House  
BUTLER, MO. 64730  
Phone 679-4031

WELL REFERENCE TIES IN THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 42 NORTH, RANGE 33 WEST OF THE 5TH PRINCIPAL MERIDIAN IN BATES COUNTY, MISSOURI.

SHANNON'S CIRCLE "S"  
RANCH, INC. WELL NO. 2



↑ N  
1"=200'  
ASSUMED  
BEARINGS

*[Signature]*  
WILLIAM C. LETHCHO LS-1539

THIS IS TO CERTIFY THE REFERENCE TIES SHOWN ON THIS SKETCH ARE IN ACCORDANCE WITH THE DNR CURRENT MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS 10 CSR 30-2010

SHEET 2 OF 2

SECTION 25, T42N,  
R33W COORDINATES.  
ASSUMED

NWC  
N10054.54  
E 4784.69  
IBS

NEC  
N10000.00  
E10000.00  
IBS

SWC  
N4813.69  
E4765.38  
IBF

SEC  
N4780.90  
E10013.97  
IBF 13.2' NORTH

WELL NO. 1	WELL NO. 2	WELL NO. 4
N7712.07	N7087.34	N8413.57
E9760.65	E9685.57	E9678.30